

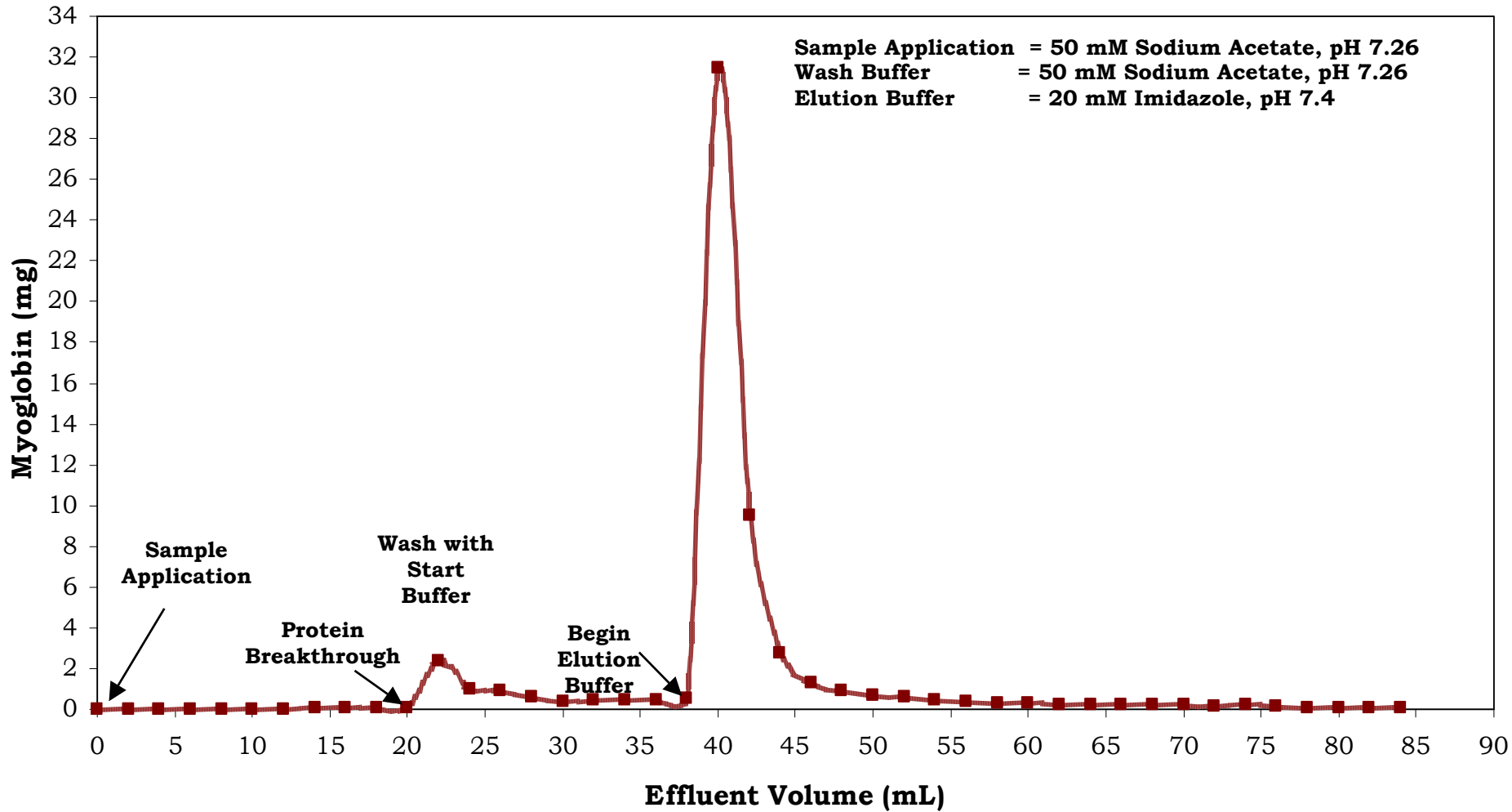
# ***IPAC<sup>®</sup> Resin***

- **Multi-purpose IMAC resin for protein purification.**
- **Novel metal chelating ligand.**
- **Eliminates leaching through the extremely stable binding of metal ions.**
- **Multi-cycle use.**

# IPAC - Cu<sup>2+</sup> - Horse Myoglobin

Protein Conc. = 2.86 mg/mL

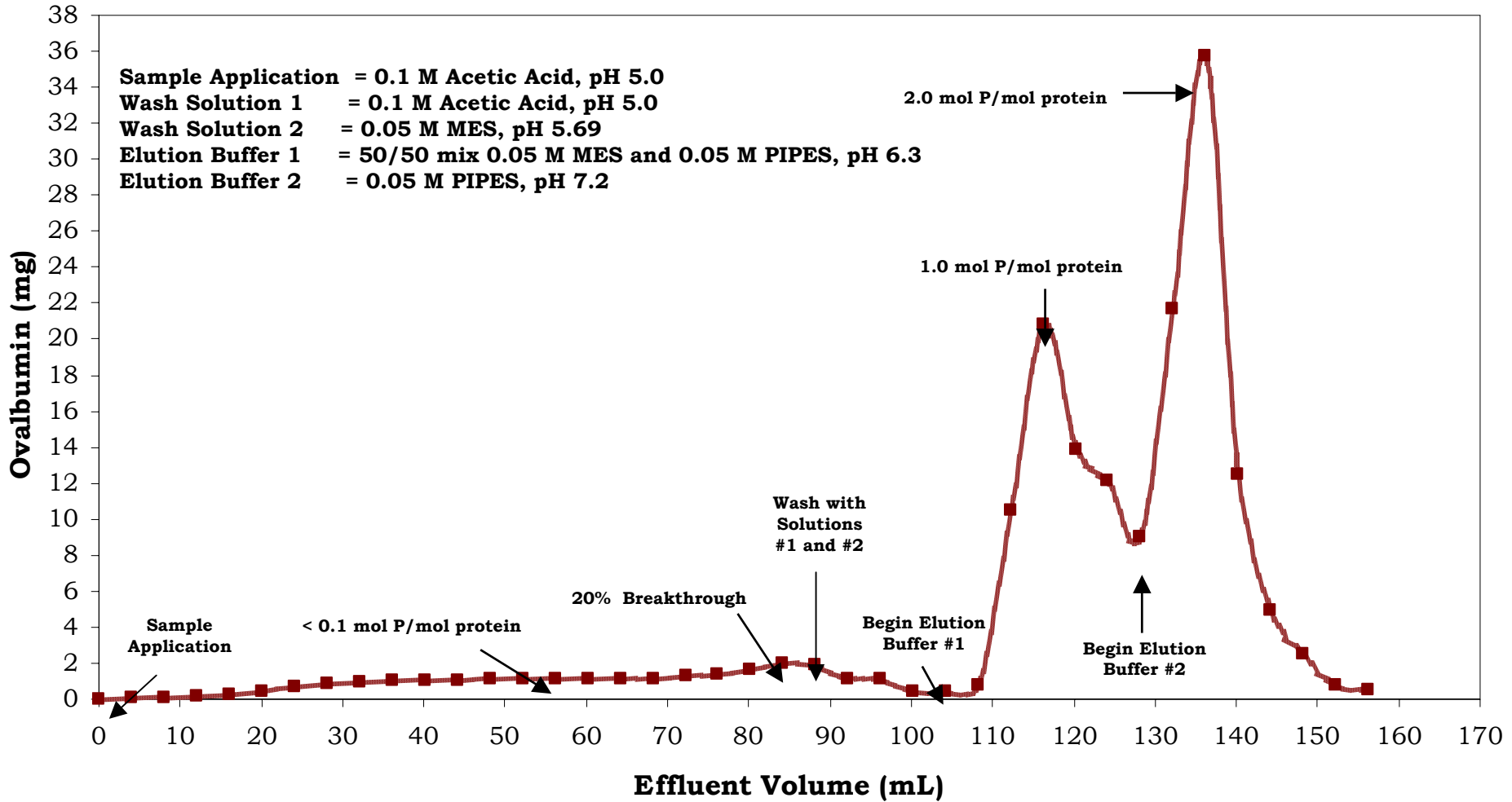
1 BV = 1 mL of IPAC; Flow Rate = 0.1 mL/min



# IPAC - Fe<sup>3+</sup> - Ovalbumin

Protein Conc. = 2.23 mg/mL

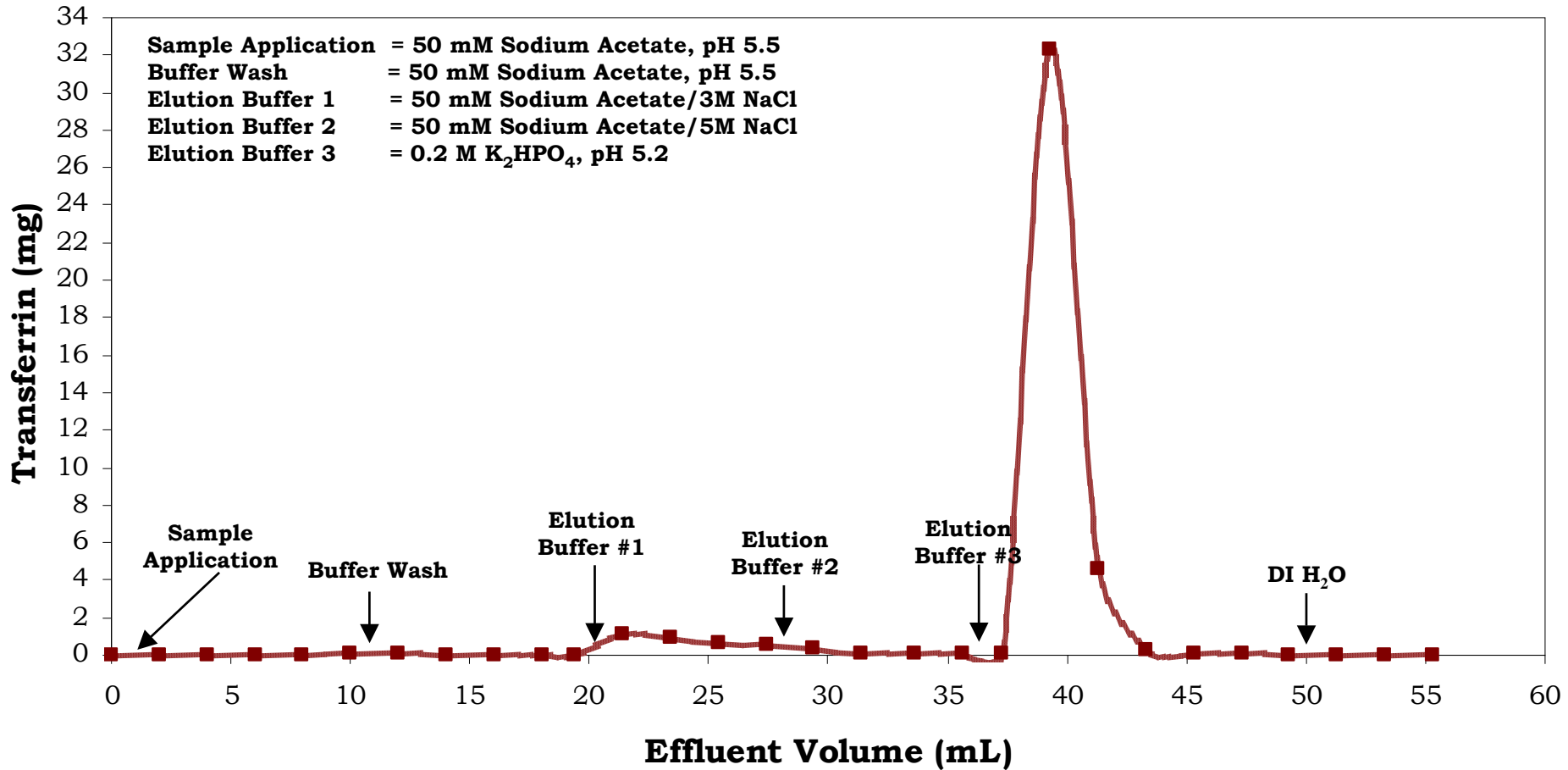
1 BV = 2.2 mL of IPAC; Flow Rate = 0.1 mL/min



# IPAC - Fe<sup>3+</sup> - Transferrin - Cycle 3

Protein Conc. = 4.0 mg/mL

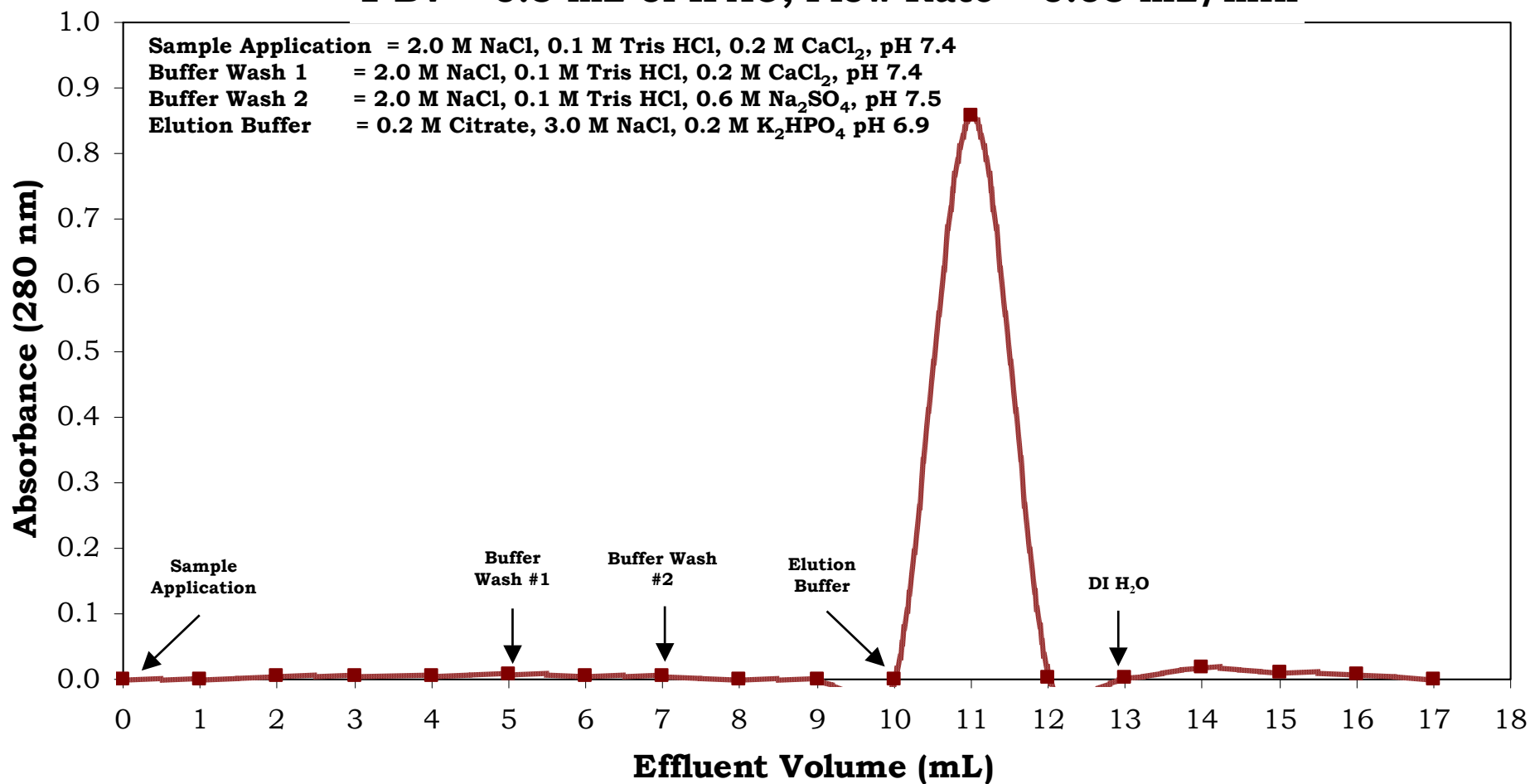
1 BV = 1 mL of IPAC; Flow Rate = 0.2 mL/min



# IPAC - $\text{Eu}^{3+}$ - Calmodulin

Protein Conc. = 1.1 mg/mL

1 BV = 0.5 mL of IPAC; Flow Rate = 0.05 mL/min



# ***IPAC Resin - Technical Specs***

<b>Matrix</b>	<b>Highly cross-linked agarose, 7.5%</b>
<b>Exclusion Limit (Da)</b>	<b>1.5 x 10<sup>6</sup></b>
<b>Particle Size Distribution</b>	<b>32-60 μm</b>
<b>Average Particle Size</b>	<b>40 μm</b>
<b>Metal Ion Capacity</b>	<b>~ 25 μmol Cu<sup>2+</sup>/ mL gel ~ 35 μmol Fe<sup>3+</sup> / mL gel</b>
<b>Max. Flow Rate</b>	<b>600 cm/hr</b>
<b>pH Stability</b>	<b>1-14</b>